Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/04/2014 12:52 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/31/2014 10:52 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 57599, Expiration Date: 09/30/2014
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125315	0	1.26	125081	1.00
Blue	F	SSC	125000	123660	-2	3.13	123388	2.54
Blue	E	FITC	18287	17750	-3	1.80	804	8.20
Blue	D	PE	25829	25346	-2	1.40	944	7.38
Blue	B	PerCP-Cy5-5	46664	45702	-3	2.69	1561	12.30
Blue	A	PE-Cy7	45313	44441	-2	4.51	960	22.94
Red	C	APC	50625	50205	-1	2.19	2929	8.19
Red	A	APC-Cy7	50689	49928	-2	2.67	1571	8.53
Violet	B	V450	13569	13164	-3	1.76	792	6.14
Violet	A	V500	56861	57100	0	1.53	2765	4.09

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20619	2.30	567	8	N/A	N/A	Pass
Blue	F	SSC	60328	1.46	476	4	N/A	N/A	Pass
Blue	E	FITC	100	31.90	497	1	0.0348	281	Pass
Blue	D	PE	209	21.57	496	2	0.2838	219	Pass
Blue	B	PerCP-Cy5-5	212	34.62	573	1	0.0152	69	Pass
Blue	A	PE-Cy7	86	78.49	634	1	0.0207	11	Pass
Red	C	APC	332	24.54	566	1	0.0280	153	Pass
Red	A	APC-Cy7	135	31.86	548	2	0.0072	1444	Pass
Violet	B	V450	84	37.46	444	2	0.0772	3140	Pass
Violet	A	V500	189	22.17	479	3	0.0230	1871	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.49	-31.22	0.89
Blue	20.45	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.27
Red	17.35	13.07 - 19.61	N/A	N/A	31.78	32.05	1.12

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 12998

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments